

ALADDIN SCIENTIFIC CORPORATION

14078 Meridian Parkway, Riverside, CA. 92518

## Certificate of Analysis

Date of Testing: 2023-05-20 15:43:49  
Date of Next Testing: 2027-05-19 15:43:49  
Product Name: **5-Chloro-1,10-phenanthroline**  
CAS Number: 4199-89-7  
Specifications & Purity: 98%  
Lot #: E2316415  
SKU #: **C121528**  
**Analysis:** **205096**  
Storage Temperature: Argon charged

Parameter	Limit Values	Result
Purity(NonaqueousTitration)	97.5-102.5 (%)	100.82 %
Purity(HPLC)	98-100 (%)	98.62900 %
Melting point	123-126 (°C)	123.23000 °C
Proton NMR spectrum	Conforms to Structure	Conforms to Structure
Appearance (C121528)	White to Yellow or Red Powder,crystals or Chunks	White to Yellow or Red Powder,crystals or Chunks



John Su  
QA & QC Manager